

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
(Under 37 CFR 1.97(b) or 1.97(c))

Docket No.  
**TR-5169 Cont2**

In Re Application: **Sidney T. Smith et al.**

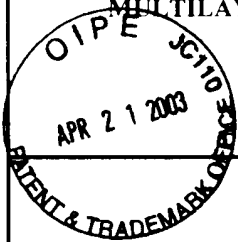
Serial No.  
**10/044,636**

Filing Date  
**October 19, 2001**

Examiner  
**Melanie D. Bissett**

Group Art Unit  
**1711**

**MULTILAYERED POLYMER STRUCTURE**



**Payment of Fee**

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- ☒ A check in the amount of **\$180.00** is attached.
- ☒ The Assistant Commissioner is hereby authorized to charge and credit Deposit Account No. **02-1818** as described below. A duplicate copy of this sheet is enclosed.
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*Signature of Person Mailing Correspondence*

**Robert J. Buccieri**

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**\*This certificate may only be used if paying by deposit account.**

*Joseph A. Fuchs*

*Signature*

**Joseph A. Fuchs, Reg. No. 34,604**  
**BELL, BOYD & LLOYD LLC**  
**P.O. Box 1135**  
**Chicago, IL 60690-1135**  
**Tel: (312) 807-4335**

Dated: **April 15, 2003**

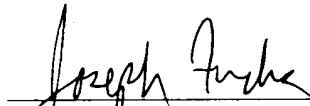
CC.

The identified patents and documents do not suggest or make obvious the claimed invention. Hence, allowance of the pending application is respectfully requested.

Respectfully submitted,  
BELL, BOYD & LLOYD LLC

Date: April 15, 2003

BY

  
\_\_\_\_\_  
Joseph A. Fuchs, Reg. No. 34,604  
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Phone: (312) 807-4335

Atty Dkt. No: TR-5169 Cont2  
BBL No.: 113964-063



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Re Patent Application Of: )  
Sidney T. Smith et al. )  
For: MULTILAYERED POLYMER )  
STRUCTURE )  
Serial No.: 10/044,636 )  
Filed: October 19, 2001 )  
Examiner: Melanie D. Bissett )  
Art Unit: 1711 )  
Conf. No.: 8615 )

**CERTIFICATE OF MAILING**

I hereby certify that this paper is being deposited with the United States Postal Office with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on April 17, 2003.

Robert J. Buccieri

#5 (I/2)  
4/25/03

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Washington D.C., 20231

Sir:

Pursuant to 37 C.F.R. 1.97, a list of documents is disclosed on the attached form PTO-1449 that may be material to the examination of this application. A copy of each of the documents is enclosed herewith for the Examiner's consideration. No inference should be drawn that the attached list represents a comprehensive investigation of the prior art; that any or all are pertinent to the invention; or that any apparatus disclosed is equivalent to the subject invention.

Applicants enclose a check in the amount of \$180 in payment of the fee for submission of an Information Disclosure Statement. Applicants do not believe any additional fee is due in connection with this Information Disclosure Statement, however, the Commissioner is hereby authorized to change any additional fees (or credit any overpayment) to Deposit Account No. 02-1818.

04/23/2003 DEMMANU1 00000044 10044636

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180.00 DP

GAU-1711

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
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Docket No.  
TR-5169 Cont2

In Re Application Of: **Sidney T. Smith et al.**

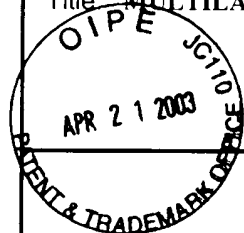
Serial No.  
10/044,636

Filing Date  
October 19, 2001

Examiner  
Melanie D. Bissett

Group Art Unit  
1711

Title: **MULTILAYERED POLYMER STRUCTURE**



Address to  
Assistant Commissioner for Patents  
Washington, D.C. 20231

**37 CFR 1.97(b)**

1. ☐ The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

**37 CFR 1.97(c)**

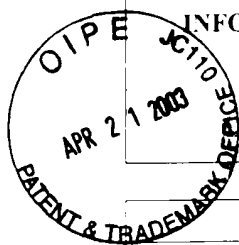
2. ☒ The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

☐ the statement specified in 37 CFR 1.97(e);

**OR**

☒ the fee set forth in 37 CFR 1.17(p).

8000 8 2 2003

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

PTO Form 1449

Atty Docket No.

TR-5169 Cont2

Application No.

10 044,636

Applicant

Smith et al.

Filing Date

10 19 2001

Group

1711

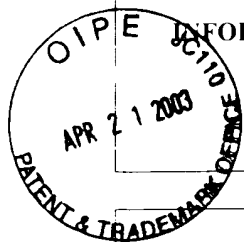
**U.S. PATENT DOCUMENTS**

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	2,705,223	Mar., 1955	Renfrew et al.			
	3,255,923	Jun., 1966	Soto			
	3,375,300	Mar., 1968	Ropp			
	3,494,897	Feb., 1970	Reding et al.			
	3,514,359	May., 1970	Frese			
	3,536,693	Oct., 1970	Schrader et al.			
	3,772,136	Nov., 1973	Workman			
	3,912,843	Oct., 1975	Brazier			
	3,937,758	Feb., 1976	Castagna			
	3,955,040	May., 1976	Schirmer			
	3,995,084	Nov., 1976	Berger et al.			
	4,005,710	Feb., 1977	Zeddies et al.			
	4,041,103	Aug., 1977	Davison et al.			
	4,058,647	Nov., 1977	Inoue et al.			
	4,064,296	Dec., 1977	Bornstein et al.			
	4,082,854	Apr., 1978	Yamada et al.			
	4,082,877	Apr., 1978	Shadle			
	4,087,587	May., 1978	Shida et al.			
	4,087,588	May., 1978	Shida et al.			
	4,095,012	Jun., 1978	Schirmer			
	4,103,686	Aug., 1978	LeFevre			
	4,110,303	Aug., 1978	Gergen et al.			
	4,147,827	Apr., 1979	Breidt, Jr. et al.			
	4,197,326	Apr., 1980	Wakamatsu et al.			
	4,212,956	Jul., 1980	Katsura			
	4,212,966	Jul., 1980	McClain			
	4,220,684	Sep., 1980	Olson			
	4,230,830	Oct., 1980	Tanny et al.			
	4,233,367	Nov., 1980	Ticknor et al.			
	4,239,826	Dec., 1980	Knott, II et al.			
	4,244,378	Jan., 1981	Brignola			
	4,254,169	Mar., 1981	Schroeder			

Examiner:

Date Considered:

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)  PTO Form 1449		Atty Docket No. TR-5169 Cont2	Application No. 10,044,636
		Applicant Smith et al.	
		Filing Date 10/19/2001	Group 1711

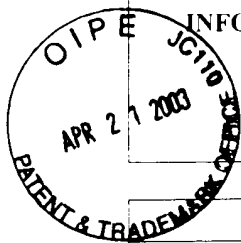
### U.S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,255,490	Mar., 1981	Katsura			
	4,281,045	Jul., 1981	Sumi et al.			
	4,284,674	Aug., 1981	Sheptak			
	4,286,628	Sep., 1981	Paradis et al.			
	4,310,017	Jan., 1982	Raines			
	4,311,807	Jan., 1982	McCullough, Jr. et al.			
	4,322,465	Mar., 1982	Webster			
	4,322,480	Mar., 1982	Tuller et al.			
	4,327,726	May., 1982	Kwong			
	4,332,655	Jun., 1982	Berejka			
	4,336,352	Jun., 1982	Sakurai et al.			
	4,349,644	Sep., 1982	Iwanami et al.			
	4,350,797	Sep., 1982	Marzola et al.			
	4,355,721	Oct., 1982	Knott, II et al.			
	4,361,628	Nov., 1982	Krueger et al.			
	4,369,812	Jan., 1983	Paradis et al.			
	4,387,184	Jun., 1983	Coquard et al.			
	4,397,916	Aug., 1983	Nagano			
	4,397,917	Aug., 1983	Chi et al.			
	4,405,667	Sep., 1983	Christensen et al.			
	4,407,873	Oct., 1983	Christensen et al.			
	4,407,877	Oct., 1983	Rasmussen			
	4,407,888	Oct., 1983	Crofts			
	4,417,753	Nov., 1983	Bacehowski et al.			
	4,429,076	Jan., 1984	Saito et al.			
	4,445,550	May., 1984	Davis et al.			
	4,457,960	Jul., 1984	Newsome			
	4,460,632	Jul., 1984	Adur et al.			
	4,464,438	Aug., 1984	Lu			
	4,465,487	Aug., 1984	Nakamura et al.			
	4,468,427	Aug., 1984	Degrassi et al.			
	4,479,989	Oct., 1984	Mahal			

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**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**  
(Use several sheets if necessary)

PTO Form 1449

Atty Docket No. TR-5169 Cont2	Application No. 10/044,636
Applicant Smith et al.	
Filing Date 10 19 2001	Group 1711

**U.S. PATENT DOCUMENTS**

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,486,497	Dec., 1984	Mizutani			
	4,501,798	Feb., 1985	Koschak et al.			
	4,521,437	Jun., 1985	Storms			
	4,528,219	Jul., 1985	Yamada et al.			
	4,536,409	Aug., 1985	Farrell et al.			
	4,536,532	Aug., 1985	Miller et al.			
	4,548,348	Oct., 1985	Clements			
	4,551,371	Nov., 1985	Eckstein			
	4,552,714	Nov., 1985	Krueger et al.			
	4,552,716	Nov., 1985	Habich			
	4,552,801	Nov., 1985	Odorzynski et al.			
	4,561,110	Dec., 1985	Herbert			
	4,561,920	Dec., 1985	Foster			
	4,562,118	Dec., 1985	Maruhashi et al.			
	4,568,333	Feb., 1986	Sawyer et al.			
	4,568,723	Feb., 1986	Lu			
	4,572,854	Feb., 1986	Dallmann et al.			
	4,573,994	Mar., 1986	Fischell et al.			
	4,579,784	Apr., 1986	Lemstra et al.			
	4,588,177	May., 1986	White			
	4,588,648	May., 1986	Krueger et al.			
	4,590,131	May., 1986	Yazaki et al.			
	4,599,276	Jul., 1986	Martini			
	4,605,576	Aug., 1986	Jabarin			
	4,615,922	Oct., 1986	Newsome et al.			
	4,615,926	Oct., 1986	Hsu et al.			
	4,617,240	Oct., 1986	Krueger et al.			
	4,619,849	Oct., 1986	Anzawa et al.			
	4,627,844	Dec., 1986	Schmitt			
	4,628,969	Dec., 1986	Jurgens, Jr. et al.			
	4,636,412	Jan., 1987	Field			
	4,639,398	Jan., 1987	Bergström			

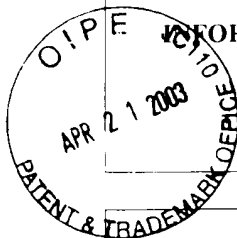
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	TR-5169 Cont2	10/044,636
	Applicant Smith et al.	
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U.S. PATENT DOCUMENTS							
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate	
	4,640,870	Feb., 1987	Akazawa et al.				
	4,643,926	Feb., 1987	Mueller				
	4,645,695	Feb., 1987	Negi et al.				
	4,647,483	Mar , 1987	Tse et al.				
	4,650,452	Mar , 1987	Jensen				
	4,650,721	Mar , 1987	Ashcraft et al.				
	4,659,903	Apr , 1987	Berne et al.				
	4,668,571	May., 1987	Moriarty, Jr.				
	4,672,087	Jun., 1987	Miller et al.				
	4,677,017	Jun., 1987	DeAntonis et al.				
	4,683,916	Aug , 1987	Raines				
	4,684,364	Aug , 1987	Sawyer et al.				
	4,684,573	Aug , 1987	Mueller et al.				
	4,684,576	Aug , 1987	Tabor et al.				
	4,686,125	Aug , 1987	Johnston et al.				
	4,692,361	Sep , 1987	Johnston et al.				
	4,695,491	Sep , 1987	Kondo et al.				
	4,699,816	Oct., 1987	Galli				
	4,702,966	Oct., 1987	Farrell et al.				
	4,705,708	Nov , 1987	Briggs et al.				
	4,707,389	Nov., 1987	Ward				
	4,722,725	Feb , 1988	Sawyer et al.				
	4,724,028	Feb , 1988	Zabielski et al.				
	4,724,185	Feb , 1988	Shah				
	4,726,984	Feb , 1988	Shah				
	4,726,997	Feb , 1988	Mueller et al.				
	4,729,476	Mar., 1988	Lulham et al.				
	4,731,266	Mar., 1988	Bonnebat et al.				
	4,732,795	Mar., 1988	Ohya et al.				
	4,734,327	Mar., 1988	Vicik				
	4,735,855	Apr , 1988	Wofford et al.				
	4,740,582	Apr , 1988	Coquard et al.				

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<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> (Use several sheets if necessary)  PTO Form 1449		Atty Docket No. TR-5169 Cont2	Application No. 10 044,636
		Applicant Smith et al.	
		Filing Date 10 19 2001	Group 1711

### U.S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,746,562	May., 1988	Fant			
	4,753,222	Jun., 1988	Morishita			
	4,755,419	Jul., 1988	Shah			
	4,758,463	Jul., 1988	Vicik et al.			
	4,760,114	Jul., 1988	Haaf et al.			
	4,764,404	Aug., 1988	Genske et al.			
	4,767,651	Aug., 1988	Starzewski et al.			
	4,770,944	Sep., 1988	Farrell et al.			
	4,772,497	Sep., 1988	Maasola			
	4,778,697	Oct., 1988	Genske et al.			
	4,789,575	Dec., 1988	Gibbons et al.			
	4,792,488	Dec., 1988	Schirmer			
	4,795,782	Jan., 1989	Lutz et al.			
	4,800,129	Jan., 1989	Deak			
	4,803,102	Feb., 1989	Raniere et al.			
	4,808,482	Feb., 1989	Benge et al.			
	4,818,592	Apr., 1989	Ossian			
	4,826,955	May., 1989	Akkapeddi et al.			
	4,828,915	May, 1989	Schroeder et al.			
	4,834,755	May, 1989	Silvestrini et al.			
	4,839,235	Jun., 1989	Shah			
	4,842,947	Jun., 1989	Jachec et al.			
	4,855,356	Aug., 1989	Holub et al.			
	4,856,259	Aug., 1989	Woo et al.			
	4,856,260	Aug., 1989	Woo et al.			
	4,857,399	Aug., 1989	Vicik			
	4,857,408	Aug., 1989	Vicik			
	4,857,409	Aug., 1989	Hazelton et al.			
	4,863,996	Sep., 1989	Nakazima et al.			
	4,871,410	Oct., 1989	Bonnebat et al.			
	4,871,799	Oct., 1989	Kobayashi et al.			
	4,873,287	Oct., 1989	Holub et al.			

**Examiner:**

**Date Considered:**

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		Applicant Smith et al.	
		Filing Date 10/19/2001	Group 1711

U.S. PATENT DOCUMENTS						
Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	4,875,587	Oct , 1989	Lulham et al.			
	4,877,662	Oct , 1989	Yazaki et al.			
	4,877,682	Oct , 1989	Sauers et al.			
	4,881,649	Nov., 1989	Hsu et al.			
	4,883,696	Nov., 1989	Iwanami et al.			
	4,883,837	Nov , 1989	Zabrocki			
	4,885,119	Dec , 1989	Mueller et al.			
	4,902,558	Feb , 1990	Henricksen.			
	4,910,085	Mar , 1990	Raniere et al.			
	4,911,963	Mar , 1990	Lustig et al.			
	4,911,979	Mar , 1990	Nishimoto et al.			
	4,915,893	Apr , 1990	Gogolewski et al.			
	4,917,925	Apr , 1990	Loretti et al.			
	4,923,470	May., 1990	Dumican			
	4,929,479	May., 1990	Shishido et al.			
	4,931,520	Jun , 1990	Yamanashi et al.			
	4,937,139	Jun., 1990	Genske			
	4,948,643	Aug , 1990	Mueller			
	4,950,515	Aug., 1990	Mason et al.			
	4,957,966	Sep , 1990	Nishio et al.			
	4,957,967	Sep , 1990	Mizuno et al.			
	RE33,376	Oct , 1990	Gibbons et al.			
	4,963,426	Oct , 1990	Nishimoto et al.			
	4,966,795	Oct , 1990	Genske et al.			
	4,971,864	Nov , 1990	McCord			
	4,975,207	Dec , 1990	Lee			
	4,977,213	Dec , 1990	Giroud-Abel et al.			
	4,983,432	Jan , 1991	Bissot			
	4,992,511	Feb , 1991	Yamamoto et al.			
	4,996,054	Feb , 1991	Pietsch et al.			
	4,999,254	Mar , 1991	Ofstein			
	5,003,019	Mar., 1991	Ishimaru et al.			

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# **INFORMATION DISCLOSURE CITATION IN AN APPLICATION**

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PTO Form 1449

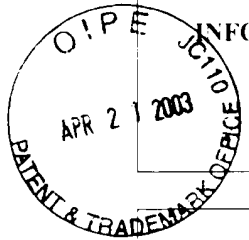
Atty Docket No. TR-5169 Cont2	Application No. 10 044,636
Applicant Smith et al.	
Filing Date 10/19/2001	Group 1711

## **U.S. PATENT DOCUMENTS**

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	5,004,647	Apr., 1991	Shah			
	5,006,114	Apr., 1991	Rogers et al.			
	5,006,601	Apr., 1991	Lutz et al.			
	5,008,356	Apr., 1991	Ishimaru et al.			
	5,017,652	May., 1991	Abe et al.			
	5,034,457	Jul., 1991	Serini et al.			
	5,034,458	Jul., 1991	Serini et al.			
	5,039,565	Aug., 1991	Deyrup			
	5,040,583	Aug., 1991	Lin et al.			
	5,049,449	Sep., 1991	Ofstein			
	5,053,259	Oct., 1991	Vicik			
	5,053,457	Oct., 1991	Lee			
	5,061,771	Oct., 1991	Oshima et al.			
	5,066,290	Nov., 1991	Measells et al.			
	5,070,143	Dec., 1991	Pucci et al.			
	5,071,686	Dec., 1991	Genske et al.			
	5,071,911	Dec., 1991	Furuta et al.			
	5,071,912	Dec., 1991	Furuta et al.			
	5,075,376	Dec., 1991	Furuta et al.			
	5,077,109	Dec., 1991	Lustig et al.			
	5,079,295	Jan., 1992	Furuta et al.			
	5,085,649	Feb., 1992	Flynn			
	5,085,816	Feb., 1992	McCord			
	5,087,677	Feb., 1992	Brekner et al.			
	RE33,832	Feb., 1992	Yoshimura et al.			
	5,093,164	Mar., 1992	Bauer et al.			
	5,093,194	Mar., 1992	Touhsaent et al.			
	5,094,921	Mar., 1992	Itamura et al.			
	5,108,807	Apr., 1992	Tucker			
	5,108,844	Apr., 1992	Blemberg et al.			
	5,110,642	May., 1992	Genske			
	5,116,906	May., 1992	Mizuno et al.			

Examiner:	Date Considered:
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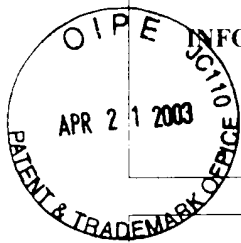
### U.S. PATENT DOCUMENTS

Examiner's Initials	Document Number	Publication Date	Inventor	Class	Subclass	Filing Date If Appropriate
	5,126,198	Jun., 1992	Schinkel et al.			
	5,127,904	Jul., 1992	Loo et al.			
	5,129,894	Jul., 1992	Sommermeier et al.			
	5,132,149	Jul., 1992	Kotani et al.			
	5,132,363	Jul., 1992	Furuta et al.			
	5,135,785	Aug., 1992	Millon			
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		Applicant Smith et al.	
		Filing Date 10/19/2001	Group 1711

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Applicant Smith et al.	
Filing Date 10 19 2001	Group 1711

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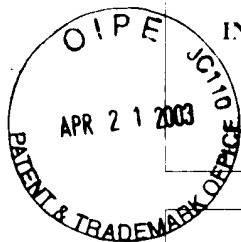
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PTO Form 1449

Atty Docket No. TR-5169 Cont2	Application No. 10 044,636
Applicant Smith et al.	
Filing Date 10/19/2001	Group 1711

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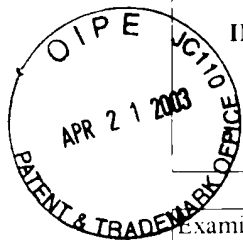
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		Applicant Smith et al.	
		Filing Date 10/19/2001	Group 1711

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Examiner's Initials	<b>OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)</b>	
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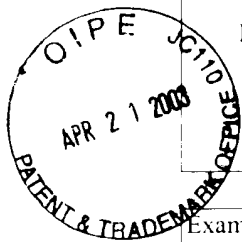
Atty Docket No. TR-5169 Cont2	Application No. 10.044.636
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	Irvine Scientific, Data Sheet: "Tissue Culture Products, Media Manager <sup>®</sup> Product Line", 1 pg., undated.
	Mediatech, Inc., Brochure: "Mediatech Flexible Packaging Systems, Media Bags - Cellgro <sup>®</sup> ", 8 pgs., undated.
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	Wave Biotech LLC, Catalog "Wave Bioreactor <sup>®</sup> System 20" and price list, 10 pgs., Jan 2000
	Genetic Engineering News, "BioProcess Tutorial, Novel Disposable Bioreactor", Vol 19, No. 5, March 1, 1999, 4 pgs.
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	Ethox Corp., Datasheet, "Etho-Guard: High Gas Barrier Media Bag", 5 pgs., undated.
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	FMI, Inc., website printouts, <a href="http://www.fmi-inc.com">www.fmi-inc.com</a> , 3 pgs., 2/7/2000.
	Newport Biosystems Inc., catalog "Cleanroom in a Bag!", 2 pgs., undated.
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Applicant Smith et al.	
Filing Date 10/19/2001	Group 1711

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	TC Tech Corporation Tech Flyer #1.1 "Silicon Bag For Production-Scale Inoculations" (1 pg.); Tech Flyer #1.2 "Bag Comparison Study" (1 pg.); Tech Flyer #2.1 "Silicone Bag for Recombinant Protein Production" (1 pg.); Tech Flyer #3.0 "Cost to Produce Analysis using the SiCulture™ Silicone Bag" (1 pg.); Tech Flyer #4.0 "Cell Attachment Study with Surface-Modified SiCulture Bags" (1 pg.); undated.
	TC Tech Corporation Product Insert "SiCulture™ Silicone Cell Culture Growth Bag", 2 pgs., undated.
	TC Tech Corporation, website printouts, <a href="http://www.tc-tech.com">www.tc-tech.com</a> "SiCulture™ Cell culture bags" (2 pgs.), "Nalgene Tank Liners" (3 pgs.); Company profile (1 pg.); Flexible Media Storage Bags (1 pg.); "Cell Culture Media Bags" (2 pgs.); 1/24/2000.
	HyClone, catalog "Bioprocess Container Systems: Standard and Custom Engineering", 8 pgs., undated.
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	HyClone "Complete Mixing Resuspension System", 4 pgs., undated.
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	Stedim, advertisement. "From Drug Discovery to Drug Delivery", 4 pgs., undated.
	Stedim datasheet "Stedim 30 Film Flexel Tank Liners", 2 pgs., undated.
	Stedim, website printout <a href="http://www.stedim.com">www.stedim.com</a> , "Biopharmaceutical Products" (1 pg.); Flexel 3-D Bag Customization (2 pgs.); Product Reference Sheet: Palletank (1 pg.); "Flexboy Customization (2 pgs.); 1/7/2000.
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